

San Diego Regional
Water Quality Control Board
**Orange County Municipal
Storm Water Permit**

July 19, 2001



Section F
Jurisdictional Urban Runoff Program

Land Use Planning for New Development and Redevelopment

Orange County Permit

Workshop I

July 19, 2001

F.1 *Land Use Planning*

Urban Runoff Management Program

Land Use Planning
e.g., SUSMP

Construction Phase

Existing Development
(4 sub sections)

Other components
(Education, Illicit Discharge, etc.)

F.1 Planning Component

- Use Planning:
 - Minimize impacts on receiving waters from new development and redevelopment
 - Reduce pollutants and runoff flows to the maximum extent practicable (MEP)
- Four Sections
 - Assess General Plan
 - Modify Development Project Approval Processes
 - Revise Environmental Review Process
 - Conduct Education Efforts

F.1.a Assess General Plan

- Requires Copermitees General Plan (or equivalent) to include water quality and watershed protection principles
 - Guide development decisions to consider and address water quality impacts
- Copermitees must submit workplan & time schedule for any changes to General Plan to include these principles

F.1.b Modify Project Approval Processes

- Requires modification of development approval process to address runoff from:
 - All Development Projects
 - Priority Development Projects
- All Development Projects
 - Local permits must include requirements to reduce pollutants/flows to MEP
 - Must meet minimum requirements (F.1.b.1,Page 14)

F.1.b.2 SUSMPs

- Priority Development Projects
 - Must develop Standard Urban Storm Water Mitigation Plans (SUSMPs) to address runoff from from new development and significant redevelopment
 - Model SUSMP within 365 days
 - Adopt Local SUSMP (amended ordinances) within 180 days of Model SUSMP

F.1.b.2 SUSMPs

- 10 categories of Priority Development Projects (F.1.b.2.a, Pages 15-16)
- These projects result in large increases in impervious surfaces or are potential significant source of pollutants

F.1.b.2 SUSMPs

- Copermittees must develop list of recommended post-construction source control and structural BMPs for these projects
 - The recommended BMPs must meet minimum requirements (F.1.b.2.b, Page 17)
- Structural treatment BMPs must also meet numeric sizing criteria based on volume or flow of runoff

F.1.b.2 SUSMPs

- Additional SUSMP Requirements
 - Identify Pollutants or Conditions of Concern
 - Develop Implementation Process
 - Protect groundwater from Infiltration
 - Restrictions for Infiltration Structural BMPs
(F.1.b.2.h, Page 19 & 20)
 - Maintain Downstream Erosion
 - Develop criteria to control peak flows and velocities

F.1.b.2 SUSMPs

- Optional Provisions
 - Equivalent Numeric Sizing Criteria
 - Authorized by the Regional Board
 - Waiver provision
 - Applies to structural BMPs deemed infeasible
 - May transfer cost savings to mitigation fund

F.1.b.2 SUSMPs

- SUSMPs requirements based on review of :
 - San Diego Municipal Storm Water Permit
 - Los Angeles Municipal Storm Water Permit
 - Public Comments
 - SWRCB Order No. 2000-11 (Appeal of LA Permit)

F.1.c Revise Environmental Review Process

- Revise environmental review process
 - Include water quality considerations
 - Identify appropriate mitigation measures

F.1.d Education Efforts

- Implement Education Programs
 - Both Internally & Externally
 - Water quality laws/regulations
 - Water quality impacts from development
 - Methods to minimize impacts



Jurisdictional Urban Runoff Management Program

Section F.2

Construction Component



Christopher Means
Permit Workshop
July 19, 2001

F.2 *Construction*

Urban Runoff Management Program

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graph TD; A[Urban Runoff Management Program] --- B[Land Use Planning<br/>e.g., SUSMP]; A --- C[Construction Phase]; A --- D[Existing Development<br/>(4 sub sections)]; A --- E[Other components<br/>(Education, Illicit Discharge, etc.)];
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Land Use Planning
e.g., SUSMP

Construction Phase

Existing Development
(4 sub sections)

Other components
(Education, Illicit Discharge, etc.)



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Construction Component Requirements

- Implementation of pollution prevention measures (F.2.a., Page 21)
 - No need to treat or control pollutants that are not generated.
 - More cost effective than treatment or cleanup.

Update grading ordinances (F.2.b., Page 22)

- Develop ordinances which require:
 - pollution prevention
 - source control
 - structural treatment BMPs
- Ensures that conflicts don't exist between
Grading and Storm Water Ordinances

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- Modify conditions of approval
(F.2.c, Page 22)

- Grading Permits

- minimize grading during wet season
- minimize areas that are cleared to portion necessary for construction

- Construction permits

- emphasize erosion prevention
- sediment controls are a supplement to erosion control, not the primary method.

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Identify sites in jurisdiction (F.2.d., Page 23)

- Inventory all construction sites regardless of size.
- Watershed based inventory

Prioritize sites based on threat to water quality (F.2.e, Page 23)

- High Priority
 - 50+ acres and wet season grading will occur, OR
 - 5+ acres and tributary to 303d listed impaired water body, or discharging directly into receiving waters within an environmentally sensitive area.

Based on prioritization

- Identify and require level of BMP implementation (F.2.f., Page 23)
 - Designate a minimum set of BMPs for high, medium and low priority sites.
 - Require implementation of designated BMPs year round.
 - BMP implementation requirements can vary based on wet and dry seasons.
 - More stringent controls may be required for sites with discharges tributary to 303d listed water bodies and environmentally sensitive areas.



Inspection of Construction Sites

(F.2.g, Page 24)

- Inspections shall include review of Erosion Control & BMP implementation plans
- Identify inspection frequency based on threat to water quality prioritization.
- Implement follow-up actions necessary to comply with Order 2001-193.

Enforcement

- Enforce Ordinances to Maintain Compliance (F.2.h., Page 24)
 - Grading permits
 - Storm Water Ordinance
- sanctions will be included to ensure compliance.

Notification

- Notify SDRWQCB of Non-compliant Sites (F.2.I, Page 24)
 - 24 hour oral notification
 - written notice within 5 days of incidence

Education (F.2.j, Page 25)

- Municipal Staff & Contractors, Developers, etc. need to:
 - Understand Federal, State, Local regulations
 - Understand connection between water quality impacts and construction practices
 - Understand Erosion Prevention
 - Understand how impacts to receiving waters from construction activities can be minimized

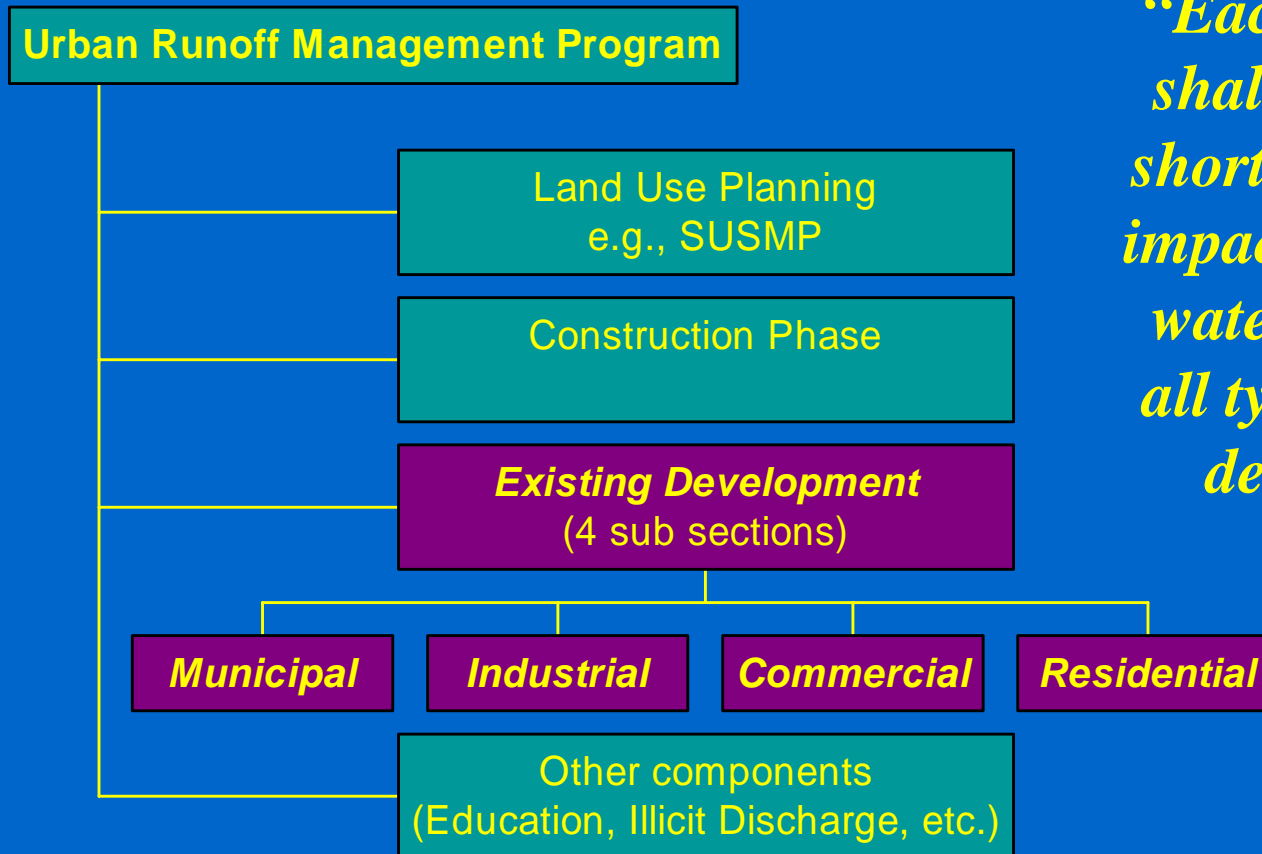
Existing Development

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F.3 *Existing Development*



“Each Copermitttee shall minimize the short and long-term impacts on receiving water quality from all types of existing development.”

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Component of J-URMP

F.3 Existing Development

- Submitted w/ J-URMP to Principal Permittee w/in 1 year
- Implemented 1 year after adoption of Permit
- Categorized by 4 development or “use” types
 - Municipal
 - Industrial
 - Commercial
 - Residential

F.3 Existing Development

Identification and Prioritization

- Identify: Inventory of sites/runoff sources
- Prioritize: Classify sites based on threat to water quality
- Special attention to sites & activities that are “High Threats” to water quality
 - High threats can be based on activity or location

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F.3 Existing Development

Pollution Prevention & BMP Implementation

- Describe methods to prevent pollution from development types
- Designate BMPs for each development type, as appropriate
- Ensure BMPs are used for High Threat sites and activities (including adjacent to sensitive areas)

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F.3 Existing Development

Inspection & Enforcement

- Minimum inspection frequencies for some types of existing development
 - Follow-up actions
 - Report non-compliant industrial sites, but don't need to duplicate Regional Board inspections
- Enforce local storm water ordinance

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Component of J-URMP

F.4 Education

(P. 33)

- Goal: reduce pollutant releases
- Measurably increase knowledge
- Change behavior
- Several target communities
 - Municipal staff
 - Commercial
 - Construction
 - Residential
 - Industrial
 - Other agencies / districts

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Component of J-URMP

F.5 Illicit Discharge Detection and Elimination

- Seek illicit discharges
 - dry weather monitoring (see Attachment E)
 - public reporting/complaints
- Investigate/Inspect/Follow-up
- Enforce ordinances & eliminate discharge
- Prevent sewage from entering MS4

“...implement a program to actively seek and eliminate illicit discharges and connections to its MS4.”

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Component of J-URMP

F.6 Common Interest Areas and Homeowner Associations

(P. 37)

- Strategy to ensure runoff meets objectives of the Permit
- Describe steps taken in annual report

Other J-URMP Components

(P. 37)

- F.7 Public Participation in J-URMP
- F.8 Strategy to Assess J-URMP Effectiveness on Water Quality
- F.9 Strategy for Fiscal Analysis
 - to demonstrate sufficient financial resources to meet requirements

Schedule and Reporting

All Copermittees

Within 1 year of adoption:

- Develop & implement URMP requirements
- Submit URMP to Principal Permittee (p. 38)

Annually:

- Jurisdictional URMP Annual Report
 - Prior to Jan. 31, 2003

Principal Copermittee

- Submit *unified* URMP and Annual Reports to Regional Board
- Report the collective actions of copermittees in annual report